EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER

2002246699

PUBLICATION DATE

30-08-02

APPLICATION DATE

: 19-02-01

APPLICATION NUMBER

: 2001041129

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INT.CL.

: H01S 5/40 G02B 26/08 G11B 7/125

G11B 7/135 H01L 31/0232 H01S

5/022

TITLE

: LASER MODULE AND OPTICAL

INFORMATION PROCESSOR

図1 104 103 102 105

ABSTRACT :

PROBLEM TO BE SOLVED: To prevent the occurrence of aberration caused by oblique incidence from at least one of two semiconductor laser chips in a two-wavelength laser module in which the two semiconductor laser chips with different wavelengths are

integrated in a single package.

SOLUTION: A micromachine rotating stage 105 having a 45° mirror 106 mounted thereon is formed on a silicon substrate 101 while being integrated with two semiconductor lasers 102 and 103 and an optical sensor, the micromachine rotating stage is rotated, and a laser beam with a necessary wavelength is selected and is raised by 90°. Therefore, it is possible to conform the optical axes of the two wavelengths to each other and to suppress increase in aberration of an objective lens.

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